



TECHNICAL DATA SHEET



## Product Benefits

Rustbuster is designed for application to a rusty iron surface to convert the rust to a harmless adherent protective layer where overcoating is feasible to give increased life expectancy of an object with minimal disruption.

- Easily applied
- Rustbuster is odourless
- VoC free
- Non-toxic product in use
- Economical – typical applications are 2-8 sqm/litre
- Long life
- Fast dry time

There are a multitude of different types and crystal structures of iron oxide, the main one encountered on a building is  $\gamma$  FeO(OH) intermingled with  $\alpha$  Fe<sub>2</sub>O<sub>3</sub> as an amorphous layer. This is shown to be the lepidocrocite phase and allows conversion to an insoluble product.

The product is based upon a unique combination of polyphenols that form a highly cross linked network of ferric salts, and insoluble phosphates, which are sealed by a film forming system that primes and seals the surface. This film forms a permanent barrier against carbonation, chloride penetration and freeze thaw cycling. Intended Uses: to convert rusty surfaces to a black primer and create a better adhesion the next coating. The Rustbuster can be used as a etch primer.

## Practical Information

Thinning: Maximum of 50% clean potable water.

Drying Time	Temperature °C	Touch Dry	Overcoating Time with Self
	20°C	90 minutes	2 hours or when not tacky
	25°C	60 minutes	1.5 hours or when not tacky

Do not use below 10°C or above 30°C or when rain is imminent. Optimum conditions are between 15°C and 25°C and 60-85% relative humidity.

## Surface Protection

Remove all loose material from the surface. With high pressure water blasting, mechanical or chemical etching/scrubbing may be necessary. The surface should be clean and free from grease, oil, wax, paint, dust and all contaminants. Remove all blistered loose paint.



## Application

Apply only when temperatures are between 10°C and 30°C

Mixing:	Mix well before use
Airless Spray:	Suitable for small areas
Roller:	Suitable for small areas
Thinner:	Water
Clean up:	Water
Touch Dry:	90 minutes
Overcoat:	2 hours or when not tacky. Recommended primers and top coats

## Product Characteristics

Apply only when temperatures are between 10°C and 30°C

Resin Type:	Acrylic
Solvent Type:	Water
Solids:	50%
pH:	4.2
Adhesion:	2.7 MPa
Acid Value:	n/a
Colour:	White when fresh. Black/blue when dry
Elongation:	120%

## Precautions

Rustbuster is intended for use only by professional applicators in industrial situations in accordance with industry best practices.

All work involving the use and application of this product should be performed in compliance with all relevant national Health, Safety and Environmental standards and regulations.

## Packaging

1L, 5L, 10L.

Shelf life = 24 months in original unopened packaging and well stored. Keep stored above 5°C.



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